Name of Work:- Improvements of drains at amruthalli main road from reliance fresh to amruthalli circle in ward No.07.

Estimated Cost:- 30.00 Lakhs

S.N	DESCRIPTION OF WORK	Unit	N	L	B	D	QTY	RATE	AMOUNT
1	2	3	4	5	6	7	8	9	10
1	KSRRB 300-1. Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.. Pg No.143.Item No.19.1)								
	Basic Rate:	cum	**130.00**						
	Area Weightage @ 6%		7.80						
	Total		**137.80**						
	RCC DRAIN								
	amruthalli main road from reliance fresh to amruthalli circle		1	226.00	1.20	1.30	352.56		
	culvert		2	6.00	1.20	1.30	18.72		
					TOTAL		**371.28**	137.80	51163.00
2	KSRB 4-1.3: Providing and laying in position plain cement concrete of nominal mix 1:4:8 using 40mm and down size graded granite metal machine mixed, conrete laid in layers not exceeding 15 cms. Thick well compacted in foundation and plinth, including cost of all materials labour, HOM of machinery, curing complete as per specification . **(Pg.No.13, It.4.3)**								
	Basic Rate:	cum	5102.00						
	Area Weightage @ 6%		306.12						
	Total		5408.12						
	RCC DRAIN-BOTTOM								
	amruthalli main road from reliance fresh to amruthalli circle		1.00	226.00	1.20	0.15	40.68		
	culvert		2.00	6.00	1.20	0.15	0.00		
	Below kerb								
	amruthalli main road from reliance fresh to amruthalli circle		1	226.00	0.45	0.10	10.17		
					TOTAL		**50.85**	5408.12	275003.00
3	KSRB 4.2.2: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastizers @ 3lts confirming to IS 9103-1999 RE affirmed - 2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, stair case lintels, retaining walls return walls, walls(anythickness) including attached plasters columns piers abutments pillars posts struts butresses string or lacing courses parapets copings, bed blocks , plain windows cills fillets etc., including cost of all materials labour HOM of machinery curing complete as per specifications. Seocifications No. KBS 4.1,4.6 (Page NO. 14, Item NO. 4.11)								

	Basic Rate:	cum	5659.00						
	Area Weightage @ 6%		339.54						
	Total		5998.54						
	Bottom								
	amruthalli main road from reliance fresh to amruthalli circle		1.00	226.00	1.05	0.15	35.60		
	culvert		2.00	6.00	0.75	0.15	1.35		
	Side Wall								
	amruthalli main road from reliance fresh to amruthalli circle	**1x2**	2.00	226.00	0.15	0.90	61.02		
	culvert	**1x2**	2.00	6.00	0.20	0.90	2.16		
							100.13	5998.54	600604.00
4	Providing **TMT Steel Reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.(Page No.18, Item No.4.46.2)								
	Basic Rate:	Tonne	70966.00						
	Area Weightage @ 6%		4257.96						
	Total		75223.96						
	Reinforcement for side wall						100.13		
			At 60 Kg % per cum				**6.01**	75223.96	451908.00
5	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / **rectangular sla**bs **/side walls** polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge.(Page No.16, Item NO.4.32)								
	Basic Rate:	Sqm	456.00						
	Area Weightage @ 6%		27.36						
	Total		483.36						
	SIDE WALL								
	amruthalli main road from reliance fresh to amruthalli circle	1x4	4	226.00		0.90	813.60		
	culvert	2x4	8	6.00		0.90	43.20		
							856.80	483.36	414143.00
6	Providing and fixing 10cms thick pre cast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrette laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing complete as per specfications (Data Rate Approved)								
	DETA RATE	Sqm							
	Covering Slab								
	amruthalli main road from reliance fresh to amruthalli circle		377		0.60	0.90	203.58		
							203.58	2100.00	427518.00

	Providing and fixing 20 cm thick pre cast RCC covering slab using reinforced cement concrete M 20 mix with stone aggregate 20 mm and down size including centring shuttering reinforcement and bar bending machine mixed concrete laid in layers not exceeding 15 cm thick wellcompacted cost of all								
	DETA RATE	**Sqm**							
	Covering Slab								
	culvert		20	1.80	0.60		21.60		
							21.60	5111.00	110397.60
8	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 of size 450x200x400 mm and finished with CM 1:3 plastering and finishing cutting etc., complete.Pg No. 27, Item No.5.29.1								
	amruthalli main road from reliance fresh to amruthalli circle		1	226.00			226.00		
							226.00		
			TOTAL(total length/0.45)				**442.00**	467.46	206618.00
	Basic Rate:	Nos	441.00						
	Area Weightage @ 6%		26.46						
	Total		467.46						
9	KSRB 5-9.1:Providing and applying ready mix priming coat over ocncrete / masonry, / asbestos cement sheet / plastered surfaces includding preparing the surface after thorougly cleaning of oil, grease, dirt and other foreign matter and sand papering including cost of materials, labour compelte as per specifications. Page No. 124 / Item No. 15.80								
			442.00		0.45		198.90		
					TOTAL		**198.90**	39.22	7801.00
	Basic Rate:	sqm	37.00						
	Area Weightage @ 6%		2.22						
	Total		39.22						
10	Providing and fixing MS Grating 260x260 mm(Page No.1X, Sl No.234, code No.0771)								
	For shoulder drians		18				18.00		
					TOTAL		**18.00**	89.84	1617.03
	Basic Rate:	Nos	84.75						
	Area Weightage @ 6%		5.09						
	Total		89.84						
11	KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page 118, item No. 17.1)								
	Basic Rate	cum	**68.00**				371.28	106.00	39356.00
	Rs. 2.50 Tonne Km.								
	Average Weight of earth 1.28 Tonne/Km.								
	For 10 Km								
	Rs.2.50X1.28TonneX10Km		**32.00**						
	Total		**100.00**						
	Add Area Weightage6%		**6.00**						

			106.00					
12						Sub Total		2586128.63
13				Add 12% GST charges				310335.44
14				Add 3% KRIDL charges				77583.86
15				Add 1% Labour cess charges				25861.29
16				Miscelleneous charges				90.79
17						Total		3000000.00

1)This is certified that the work spot comes under BBMP limits only.

2) The work spot is inspected by me

3) The items Provided in the Estimate are quite Essential

4)The rates are as per CSR of 2018-19 year of PWD Bangalore Circle.

Asst.Engineer
Ward no.7

Asst.Exe.Engineer
Project Division
Yelahanka
Bangalore

Executive Engineer
Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

Technical sanction
Accorded For RS 30.00 lacs only
Head of A/C PS296
CER NO 150/18-19 Dt: 07.12.18

TA

CE (YNK)

Administrative Approval
Accorded For RS 30.00 lacs only
Head of A/C PS296
CER NO : 84/18-19 Dt: 07.12.18

TA

CE (YNK)